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TITLE: FORMATION OF INDUCTOR CORE PATTERN

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INVENTOR-INFORMATION:

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ABSTRACT:

PURPOSE: To form thicker the thickness of the conductor leaving the thickness of the resist intact the conventional thickness by a method wherein the conductor having the ratio of the width to the depth is 1:2, is formed in the substrate.

CONSTITUTION: The resist to be formed in the process C conforming to the groove to be formed in the processes D and A is exposed and developed and a the resist is photoetched. In this case, the liquid resist to fill the groove to be formed in the process A is etched according to the configuration of a glass parent material 1. Accordingly a rectangle-shaped deep groove 13, wherein the ratio of the width to the depth is nearly 1:2, can be formed in the surface of the glass parent material 1. A rectangle-shaped conductor 14 (for example, Cu conductor) is formed in the deep groove 13 to be formed in the processes E and D by performing an electroforming. The glass parent material 1 is removed in the process H and the conductor 14 to be formed by performing an electroforming is formed in a substrate 15 to be arranged in the process G. As a result, the conductor is formed in the shape of being embedded the half thereof in a resin 16 on the substrate 15.

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